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George et al.

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(54) **METHODS OF FORMING PROTECTIVE CLIPS FOR MOVABLE PARTITIONS AND METHODS OF INSTALLING PROTECTIVE CLIPS FOR MOVABLE PARTITIONS**

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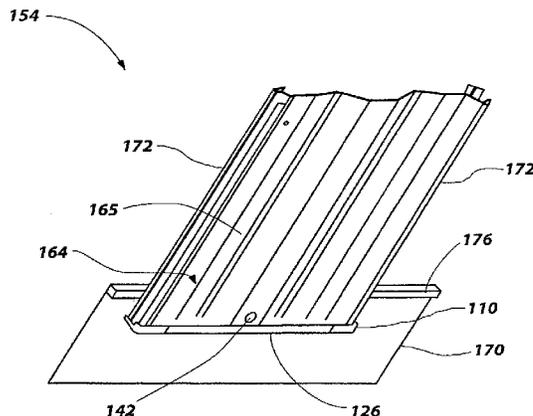
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(57) **ABSTRACT**

Protective clips for movable partitions include a guard portion that protrudes from a top major surface of a base portion. The guard portion extends along the top major surface proximate to a front side of the base portion. The guard portion also may extend along the top major surface proximate to at least one end side surface at a longitudinal end of the base portion. Movable partitions include one or more such protective clips. The protective clips optionally may be used to attach a sweep strip to panels of a movable partition. Methods of forming such protective clips include molding the clips within a mold cavity.

19 Claims, 7 Drawing Sheets



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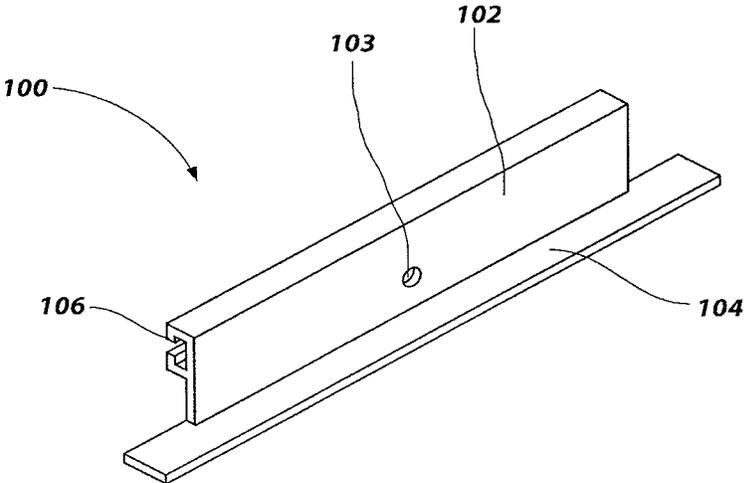


FIG. 1A
(PRIOR ART)

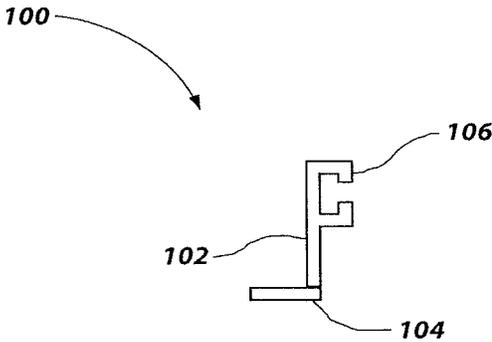


FIG. 1B
(PRIOR ART)

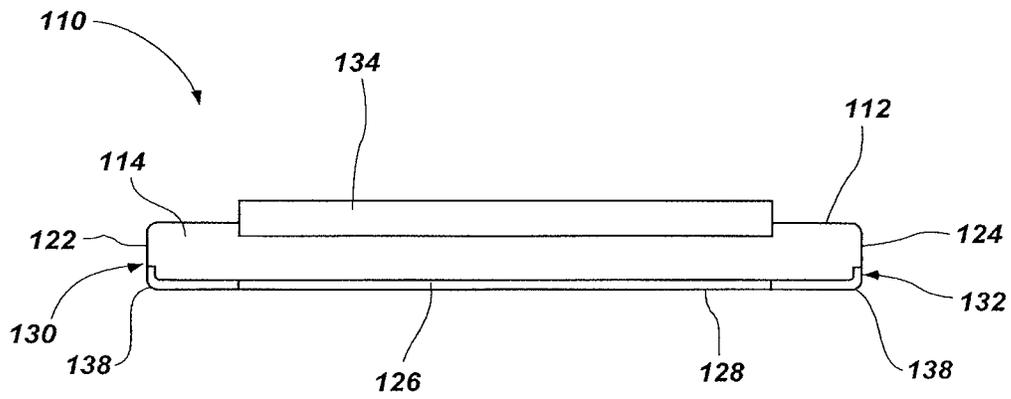


FIG. 2C

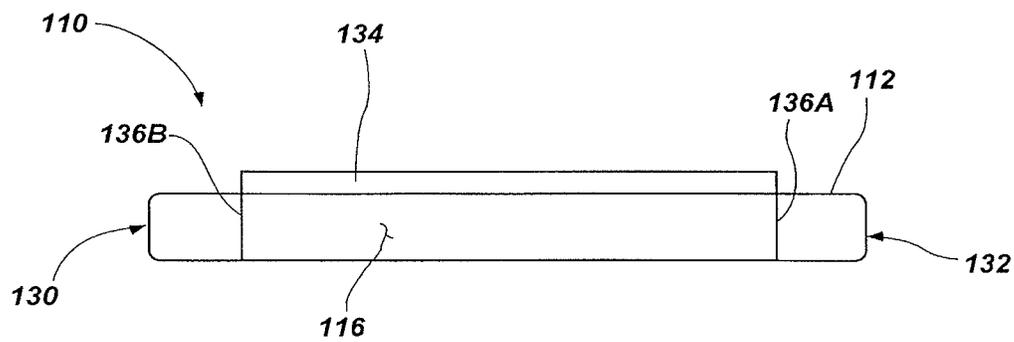


FIG. 2D

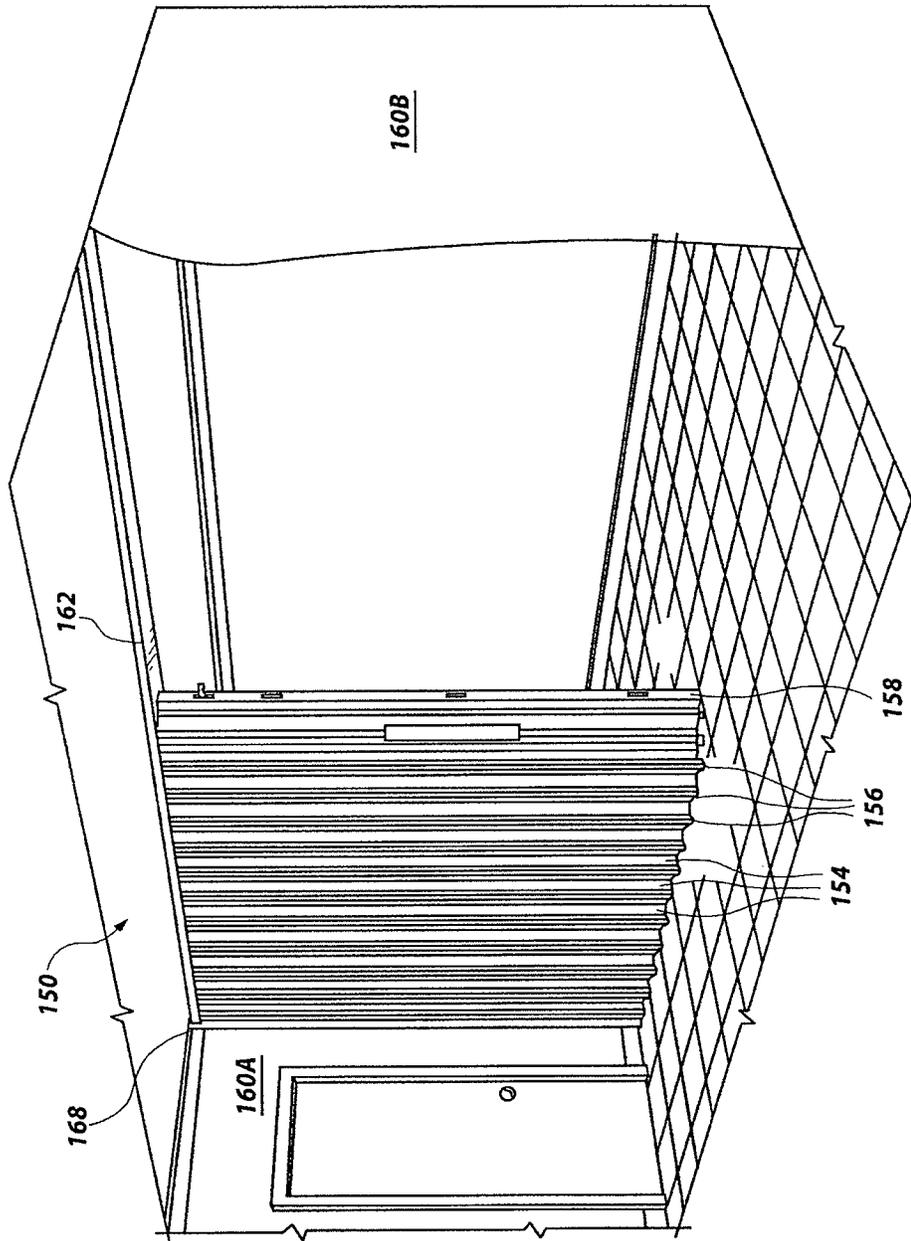


FIG. 3

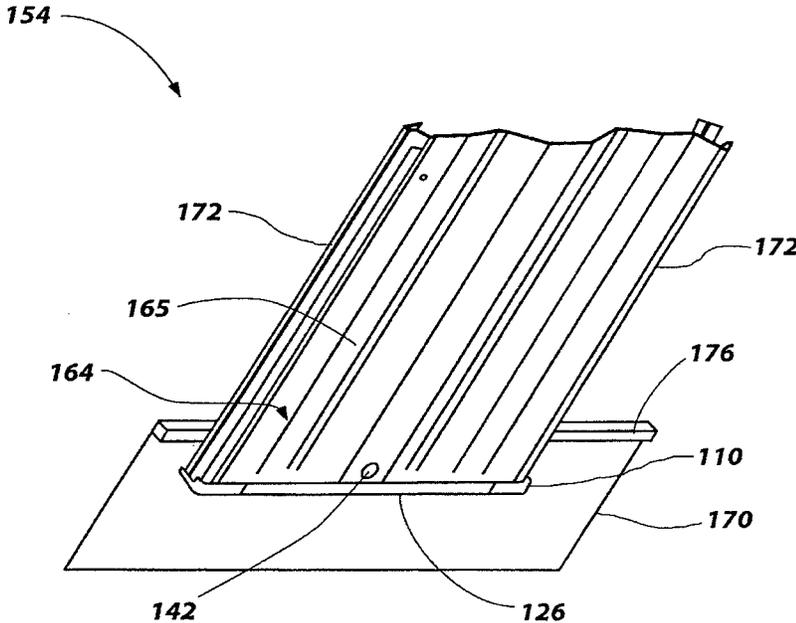


FIG. 4A

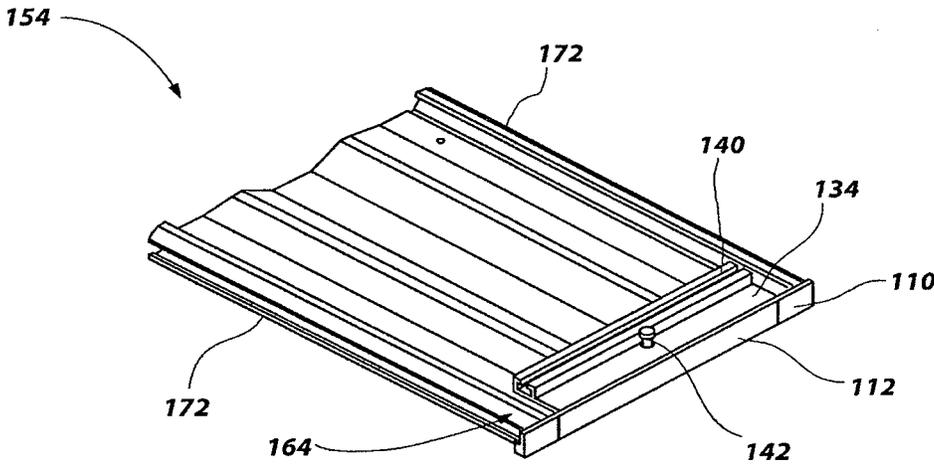


FIG. 4B

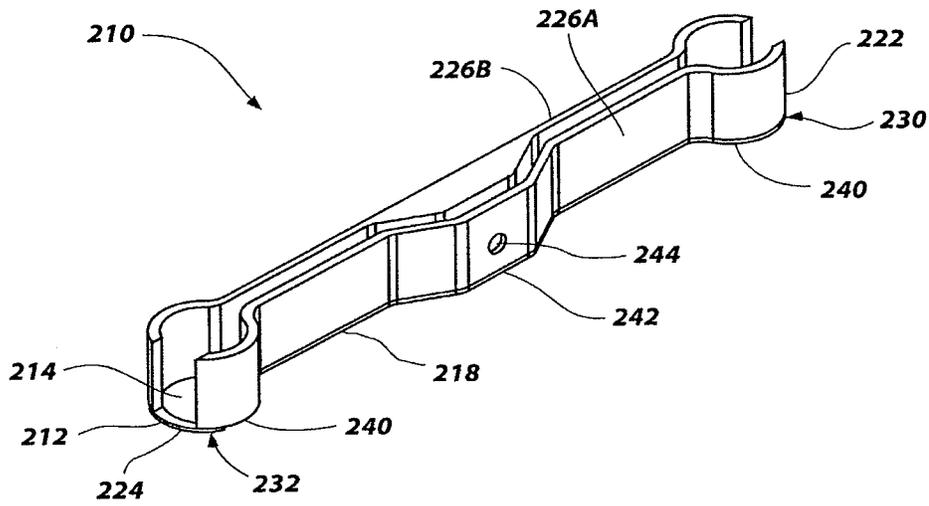


FIG. 5A

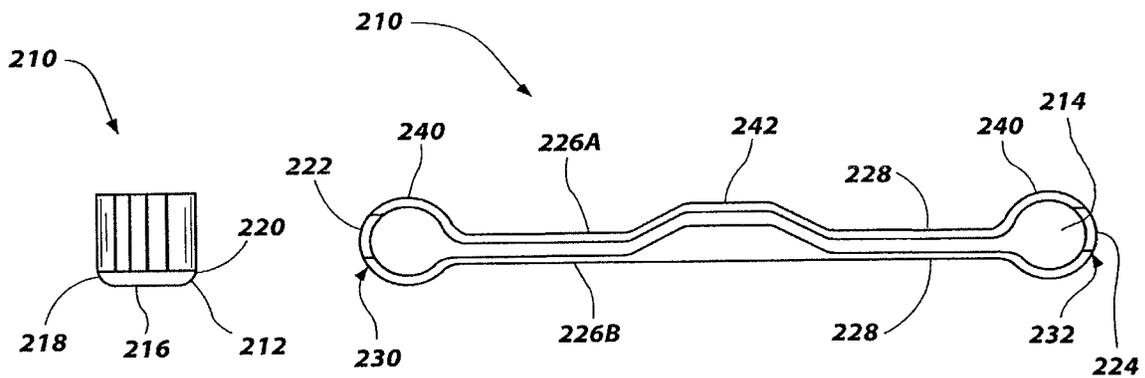
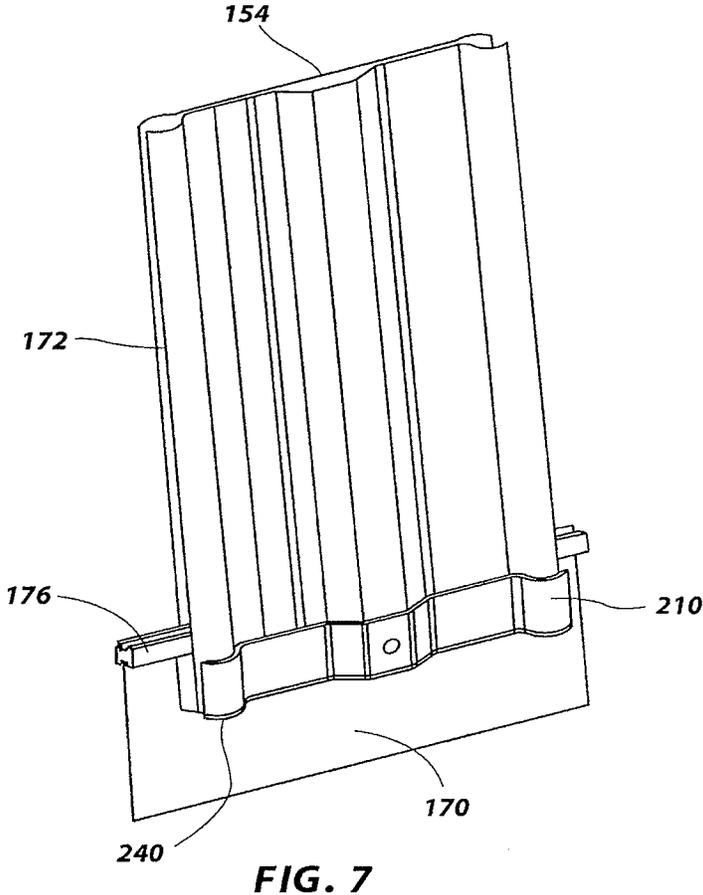
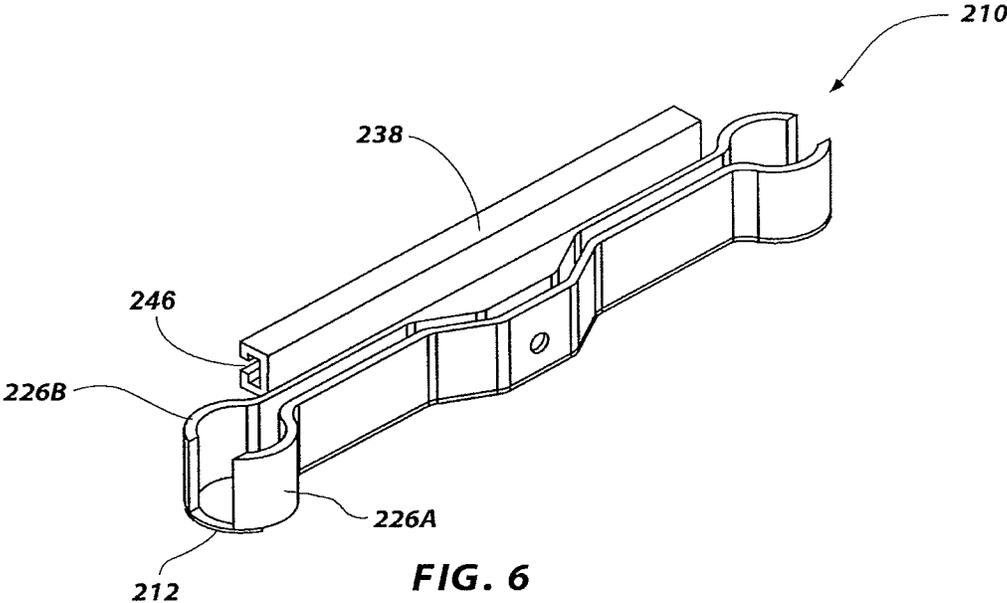


FIG. 5B

FIG. 5C



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**METHODS OF FORMING PROTECTIVE
CLIPS FOR MOVABLE PARTITIONS AND
METHODS OF INSTALLING PROTECTIVE
CLIPS FOR MOVABLE PARTITIONS**

CROSS-REFERENCE TO RELATED
APPLICATIONS

This application is a continuation of U.S. patent application Ser. No. 12/423,502, filed Apr. 14, 2009, the disclosure of which is hereby incorporated herein by this reference in its entirety. This application is related to U.S. patent application Ser. No. 13/294,641, filed Nov. 11, 2011.

TECHNICAL FIELD

Embodiments of the present invention are directed to movable partitions that may be used to partition a relatively larger space into two or more relatively smaller spaces, to protective clips that may be attached to such partitions, and to methods of forming such partitions and protective clips.

BACKGROUND

Movable partitions are utilized in numerous situations and environments for a variety of purposes. Such partitions may include, for example, a movable partition comprising foldable or collapsible doors configured to enclose or subdivide a room or other area. Often such partitions may be utilized simply for purposes of versatility in being able to subdivide a single large room into multiple smaller rooms. The subdivision of a larger area may be desired, for example, to accommodate multiple groups or meetings simultaneously. In other applications, such partitions may be utilized for noise control depending, for example, on the activities taking place in a given room or portion thereof.

Movable partitions may also be used to provide a security and/or fire barrier. In such a case, the partition barrier may be configured to automatically close upon the occurrence of a predetermined event such as the actuation of an associated alarm. For example, one or more accordion or similar folding-type partitions may be used as a security and/or a fire barrier wherein each partition is formed with a plurality of panels connected to one another with hinges. The hinged connection of the panels allows the partition to fold and collapse into a compact unit for purposes of storage when not deployed. Thus, the partition may be stored, for example, in a pocket formed in the wall of a building when in a retracted or folded state. When deployment of the partition is required to subdivide a single large room into multiple smaller rooms, secure an area during a fire, or for any other specified reason, the partition may be deployed along a track, which is often located above the door in a header, until the partition extends a desired distance across the MOM.

In some applications, it is desirable to provide a seal along the peripheral edges of the movable partition to improve the efficacy of the partition as one or more of a visual barrier, a noise barrier, a barrier to smoke or fire, a climate barrier, and a security barrier.

For example, it is known to attach an extruded strip of polymer material to the bottom of a movable partition such that the polymer material extends between the lower edge of the movable partition and the surface of the floor below the movable partition. The strip of polymer material is attached to the lower edge of the movable partition and is sized and configured to contact the surface of the floor, but is not attached to the floor. Thus, as the movable partition is moved

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relative to the floor, the strip of polymer material sweeps across the surface of the floor. As a result, those in the art often refer to such strips of polymer material as a "sweep" or a "sweep strip."

It is known to attach a sweep strip to the lower edge of a movable partition using a plurality of clips, which are often referred to in the art as "sweep clips." For example, on partitions that include a plurality of panels attached to one another by hinges, a clip may be attached to the lower end of each panel, and the sweep strip may be attached to each of a plurality of the sweep clips. Each sweep clip may be provided with a feature having a geometry that is complementary to the geometry of a feature provided on the sweep strip. Thus, the features on a plurality of sweep clips may be engaged with the complementary feature on the sweep strip to attach the sweep strip to the sweep clips and, hence, to the lower edge of the movable partition.

FIGS. 1A and 1B illustrate an example of a sweep clip **100** like those currently used in the art. As previously mentioned, a sweep clip **100** may be attached to each of a plurality of panels of a movable partition. The clip **100** has a back portion **102** that is used to attach the clip **100** to a panel of a movable partition. For example, one or more apertures **103** may be formed through the back portion **102**, and one or more fasteners (e.g., rivets, bolts, or screws) (not shown) used to attach the clip **100** to a panel may extend through the apertures **103** (and through corresponding holes in the panel to which the clip **100** is attached). The clip **100** also has a base portion **104** that abuts against and at least partially covers a bottom surface of the panel to which it is attached. A feature **106** is provided on a surface of the back portion **102** of the clip **100** opposite the panel (when the clip **100** is attached to the panel). The feature **106** is configured to engage with a complementary feature on a sweep strip and is used to attach the sweep strip to the clip **100** and, hence, to the panel to which the sweep clip **100** is coupled. For example, the feature **106** may comprise one or more protrusions extending from the back portion **102** that define a channel therebetween that extends longitudinally along the back portion **102** across the clip **100**. The channel may have a T-shaped cross-sectional geometry. The sweep strip may be provided with a protrusion or "tongue" having a cross-sectional geometry substantially similar to the T-shaped geometry of the channel of the feature **106** on the clip **100**, such that the tongue of the sweep strip may be slid into the groove of the feature **106** on the clip **100** to attach the sweep strip to the clip **100**.

The clip **100** may comprise an aluminum alloy material, and may be formed using an extrusion process. For example, aluminum alloy may be extruded through an aperture in a die having a cross-sectional shape substantially similar to the transverse cross-sectional shape of the clip **100** (as shown in FIG. 1B). After the extrusion process, the clip **100** may be further machined as necessary or desirable.

BRIEF SUMMARY

In one embodiment, the present invention includes a protective clip for a movable partition. The protective clip includes an elongated and generally planar base portion and a guard portion. The elongated and generally planar base portion includes a top major surface, a bottom major surface, a front side surface, a back side surface, and two side surfaces at each of the longitudinal ends of the base portion. The guard portion protrudes from the top major surface of the base portion in a direction substantially perpendicular to the base portion. The guard portion extends along a section of the top major surface in proximity to the front side surface of the base

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portion and along a section of the top major surface in proximity to at least one of the side surfaces at each of the longitudinal ends of the base portion.

In another embodiment, the present invention includes a movable partition. The movable partition includes at least one panel and at least one protective clip coupled to the at least one panel. The protective clip includes an elongated and generally planar base portion and a guard portion. The base portion abuts with at least one of a bottom surface of the at least one panel and a top surface of the at least one panel. The guard portion protrudes from the base portion in a direction substantially perpendicular to the base portion. The guard portion covers at least a portion of a surface adjacent to at least one of the bottom surface of the at least one panel and the top surface of the at least one panel.

In yet another embodiment, the present invention includes a method of forming a protective clip for a movable partition. The method includes abutting a plurality of mold parts to form an injection molding cavity and shaping the injection molding cavity to form a protective clip. Shaping the injection molding cavity includes forming an elongated and generally planar base portion and forming a guard portion protruding from the base portion in a direction substantially perpendicular to the base portion. The method further includes injecting a polymeric material into the injection molding cavity.

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS

While the specification concludes with claims particularly pointing out and distinctly claiming that which is regarded as the present invention, the advantages of this invention may be more readily ascertained from the description of embodiments of the invention when read in conjunction with the accompanying drawings, in which:

FIGS. 1A and 1B show a perspective view and a side plan view, respectively, of an extruded aluminum clip for attaching a sweep strip to a panel of a movable partition;

FIG. 2A is a perspective view of an embodiment of a protective clip of the present invention that may be used to attach a sweep strip to a panel of a movable partition;

FIG. 2B is a side plan view of the protective clip shown in FIG. 2A;

FIG. 2C is a top plan view of the protective clip shown in FIG. 2A;

FIG. 2D is a bottom plan view of the protective clip shown in FIG. 2A;

FIG. 3 is a perspective view of an embodiment of a movable partition of the present invention that includes a protective clip like that shown in FIG. 2A;

FIG. 4A is a front perspective view of a portion of the movable partition shown in FIG. 3 and illustrates a portion of a panel, a sweep strip, and the protective clip used to attach the sweep strip to the panel;

FIG. 4B is a back perspective view of a portion of the movable partition shown in FIG. 3 and illustrates the protective clip attached to a panel of the movable partition;

FIG. 5A is a perspective view of another embodiment of a protective clip of the present invention;

FIG. 5B is a side plan view of the protective clip shown in FIG. 5A;

FIG. 5C is a top plan view of the protective clip shown in FIG. 5A;

FIG. 6 is a perspective view of another embodiment of a protective clip of the present invention that may be used to attach a sweep strip to a panel of a movable partition; and

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FIG. 7 is a perspective view of a portion of another embodiment of a movable partition of the present invention that includes a protective clip like that shown in FIG. 6 used to attach a sweep strip to a panel of the movable partition.

DETAILED DESCRIPTION

Illustrations presented herein are not meant to be actual views of any particular device or system, but are merely idealized representations that are employed to describe embodiments of the present invention. Additionally, elements common between figures may retain the same numerical designation.

An embodiment of a protective clip **110** is shown in FIGS. 2A through 2D. Referring to FIGS. 2A and 2B, the protective clip **110** includes an elongated and generally planar base portion **112**. The base portion **112** includes a top major surface **114**, a bottom major surface **116**, a front side surface **118**, a back side surface **120**, a first end side surface **122**, and a second end side surface **124**. The first end side surface **122** is disposed at a first longitudinal end **130** of the protective clip **110**, and the second end side surface **124** is disposed at an opposite, second longitudinal end **132** of the protective clip **110**.

The protective clip **110** also includes a guard portion **126** that is configured to guard or protect one or more corners or edges of a panel to which the protective clip **110** is attached, as discussed in further detail herein below. As shown in FIG. 2A, the guard portion **126** protrudes from the top major surface **114** of the base portion **112** in a direction substantially perpendicular to the generally planar base portion **112**. As shown in FIGS. 2A and 2C, the guard portion **126** may be configured as a rail that extends along the top major surface **114** proximate (e.g., adjacent) the front side surface **118** of the base portion **112**, around corners **138** of the base portion **112**, and along the top major surface **114** proximate (e.g., adjacent) the first end side surface **122** and the second end side surface **124** of the base portion **112**. In other words, the guard portion **126** may extend along at least a section of a peripheral edge **128** of the top major surface **114**. The guard portion **126** may extend along the peripheral edge **128** of the top major surface **114** adjacent a portion of the first end side surface **122**, around a corner **138**, adjacent the front side surface **118**, around another corner **138**, and adjacent a portion of the second end side surface **124**.

In some embodiments, the guard portion **126** may extend adjacent only a portion of the first end side surface **122** and the second end side surface **124**, which may provide clearance for a hinge attached to a panel when the protective clip **110** is attached to the panel.

Edges and corners of the protective clip **110** may be rounded (e.g., radiused). For example, the corners **138** between the front side surface **118** and each of the first end side surface **122** and the second end side surface **124** may be rounded to a radius of between about 0.075 inch (approximately 1.905 millimeters) and about 0.125 inch (approximately 3.175 millimeters). By rounding the corners **138**, injuries that might occur when the foot of a person abuts or rubs against a corner **138** may be reduced or substantially eliminated.

As shown in FIGS. 2A and 2D, the protective clip **110** may also include recesses **136A**, **136B** (e.g., V-shaped or U-shaped notches) that are located and configured to allow each of the first longitudinal end **130** and the second longitudinal end **132** of the base portion **112** (and any section of the guard portion **126** attached thereto) to be snapped off (manually or mechanically) as necessary or desirable upon assem-

bly of a movable partition including the protective clip 110. For example, as shown in FIG. 2D, a first recess 136A may be formed transversely across the bottom major surface 116 of the base portion 112 proximate the first longitudinal end 130, and a second recess 136B may be formed transversely across the bottom major surface 116 of the base portion 112 proximate the second longitudinal end 132. Optionally, the first recess 136A and the second recess 136B may further extend across the front side surface 118 and the guard portion 126, as shown in FIG. 2A, as well as across the back side surface 120. The first and second recesses 136A, 136B may facilitate the fracture of the base portion 112 at the locations of the first and second recesses 136A, 136B when the base portion 112 is flexed or bent about the first and second recesses 136A, 136B.

Referring to FIGS. 2A and 2B, in addition to the base portion 112 and the guard portion 126, the protective clip 110 also includes a back portion 134 that extends from the base portion 112 proximate the back side surface 120 thereof. The back portion 134 may extend from the top major surface 114 of the base portion 112 in a direction substantially perpendicular to the base portion 112. The back portion 134 may extend along the top major surface 114 proximate at least a section of the back side surface 120 of the base portion 112. The back portion 134 may be configured for attaching the protective clip 110 to a movable partition. For example, the back portion 134 of the protective clip 110 may be attached to a panel of a movable partition using one or more fasteners such as rivets, screws, or bolts (not shown). The protective clip 110 may include a hole 142 to facilitate the use of such a fastener to attach the protective clip 110 to an associated structure. In additional embodiments, the back portion 134 of the protective clip 110 may be attached to a panel of a movable partition using an adhesive.

As shown in FIG. 2B, the back portion 134 may be configured for attachment to a sweep strip 170 (FIG. 4A). For example, the back portion 134 may include a feature 135 for attaching a sweep strip to the protective clip 110. The feature 135 is configured to engage with a complementary feature on a sweep strip 170 (FIG. 4A) and is used to attach the sweep strip 170 to the protective clip 110. For example, the feature 135 may comprise one or more protrusions extending from the back portion 134 that define a channel 140 therebetween that extends longitudinally along the back portion 134 across the protective clip 110. The channel 140 may have a T-shaped cross-sectional geometry. The sweep strip 170 may be provided with a complementary feature 176 such as a protrusion or “tongue” having a cross-sectional geometry substantially similar to the T-shaped geometry of the channel 140 defined by the feature 135 on the protective clip 110, such that the complementary feature 176 of the sweep strip 170 may be slid into the channel 140 to attach the sweep strip 170 to the protective clip 110.

It is noted that, while the embodiment of the protective clip 110 shown and described herein is configured such that the sweep strip 170 (FIG. 4A) is attached to the back portion 134 of the protective clip 110, in other embodiments of the present invention, the sweep strip 170 may be attached to another portion of the protective clip 110 such as, for example, to a bottom major surface 116 of the base portion 112.

The protective clip 110 may be manufactured from and comprise materials such as polymeric materials, composite materials, and metal materials. As non-limiting examples, the protective clip 110 may be manufactured from and comprise a polymeric material such as an acrylonitrile butadiene styrene (ABS) material or a polyvinyl chloride (PVC) material. Such polymer materials also may include a filler material such as, for example, glass particles (e.g., whiskers). In addi-

tional embodiments, the protective clip 110 may comprise a metal material such as, for example, aluminum, an aluminum-based alloy material, iron, or an iron-based alloy material.

The protective clip 110 shown in FIGS. 2A-2D may be manufactured using a molding process such as, for example, an injection molding process. In an injection molding process, a mold may be formed that includes a mold cavity having a geometry complementary to that of the protective clip 110 such that the protective clip 110 may be formed by injecting material into the mold cavity. The mold may comprise a plurality of mold parts (e.g., two mold halves), and recesses may be formed into the adjoining surfaces of the mold parts such that the mold cavity is defined by the recess surfaces in the various mold parts when they are assembled together. The mold cavity may be shaped to form a protective clip 110. In other words, the mold cavity within the mold may be shaped to include a portion corresponding to the base portion 112, another portion corresponding to the guard portion 126, and another portion corresponding to the back portion 134 of the protective clip 110. After shaping the mold cavity, material (e.g., a molten polymer material) may be injected into the mold cavity to form the protective clip 110. Injection molding systems suitable for use in forming embodiments of protective clips 110 of the present invention are commercially available.

FIG. 3 is a perspective view of an embodiment of a movable partition 150 of the present invention that includes a plurality of protective clips 110 like that shown in FIGS. 2A-2D. As shown in FIG. 3, the movable partition 150 includes a plurality of generally rigid panels 154 that are coupled together in accordion fashion using polymeric hinge members 156. The movable partition 150 is engaged with (e.g., suspended from) an overhead track 162 along which the movable partition 150 moves as the movable partition 150 is expanded (i.e., closed) and retracted (i.e., opened).

The movable partition 150 may be used, for example, to subdivide a relatively larger space into relatively smaller spaces (e.g., rooms or areas). In other embodiments, the movable partition 150 may be used as a barrier (e.g., a security barrier and/or a fire barrier). The hinged connection of the panels 154 allows the movable partition 150 to be compactly stored in a pocket 168 formed in a wall 160A of a building, if desirable, when in a retracted or folded state.

To deploy the movable partition 150 to an extended position, the movable partition 150 is moved along the overhead track 162. A leading edge of the movable partition 150 may include a lead post 158 configured to engage with a door jamb or another post, which may be provided in a wall 160B of a building to which the movable partition 150 may extend in an extended state. While the embodiment of the movable partition 150 shown and described with reference to FIG. 3 contains a single accordion-type door, additional embodiments of the present invention may include multiple doors. For example, a partition may include two doors (e.g., accordion-type doors) configured to extend across a space and join together to partition a space.

FIG. 4A is a front perspective view of a portion of the movable partition 150 shown in FIG. 3 and illustrates a portion of a panel 154, a sweep strip 170, and a protective clip 110 used to attach the sweep strip 170 to the panel 154. The protective clip 110 is attached to the lower end 164 of the panel 154 such that the base portion 112 of the protective clip 110 abuts against the bottom surface (not visible in FIG. 4A) of the panel 154. Furthermore, the guard portion 126 of the protective clip 110 extends upward adjacent a portion of the front major surface 165 of the panel 154, such that the edge

defined by the intersection between the front major surface **165** of the panel **154** and the bottom surface of the panel **154** is covered by the protective clip **110** and is not exposed in a manner that could injure the foot of a person in any significant manner. The guard portion **126** of the protective clip **110** also extends around corners at the lower end **164** of the panel **154**, such that the corners defined by the intersection between the front major surface **165** of the panel **154**, the bottom surface of the panel **154**, and the side surfaces of the panel **154** are covered by the protective clip **110** and are not exposed in a manner that could injure the foot of a person in any significant manner.

FIG. 4B is a back perspective view of a portion of the movable partition **150** shown in FIG. 3 and illustrates the protective clip **110** attached to a panel **154** of the movable partition **150**. The sweep strip **170** is not shown in FIG. 4B to facilitate depiction of the protective clip **110**.

As shown in FIG. 3, the plurality of panels **154** are connected to one another with polymeric hinge members **156**. Referring again to FIGS. 4A and 4B, in order to receive the hinge members **156** (FIG. 3), each of the panels **154** may include a hinge retainer **172** extending along each side of the panel **154**. The base portion **112** and the guard portion **126** of the protective clip **110** may at least partially cover the edges of these hinge retainers **172** at the lower end **164** of the panel **154**. The guard portion **126**, however, may be configured to provide clearance for the hinge members **156** when the hinge members **156** are disposed in the hinge retainers **172**.

Thus, the guard portion **126** of the protective clip **110** protects the feet of persons standing adjacent the partition **150** from injuries that could potentially be caused by exposed edges and corners at the lower end **164** of the panel **154**.

Another embodiment of a protective clip **210** of the present invention is illustrated in FIGS. 5A-5C. The protective clip **210** includes an elongated and generally planar base portion **212**. The base portion **212** includes a top major surface **214**, a bottom major surface **216**, a front side surface **218**, a back side surface **220**, a first end side surface **222**, and a second end side surface **224**. The first end side surface **222** is disposed at a first longitudinal end **230** of the base portion **212**, and the second end side surface **224** is disposed at a second longitudinal end **232** of the base portion **212**.

The base portion **212** may also include a substantially circular end portion **240** at the first longitudinal end **230**, and another substantially circular end portion **240** at the second longitudinal end **232** of the base portion **212**. Additionally, the base portion **212** may include a middle portion **242** between the substantially circular end portion **240** at the first longitudinal end **230** and the substantially circular end portion **240** at the second longitudinal end **232** of the base portion **212**.

The protective clip **210** may also include a front guard portion **226A** and a back guard portion **226B**. The front guard portion **226A** protrudes from the top major surface **214** of the base portion **212** in a direction substantially perpendicular to the base portion **212**. The front guard portion **226A** extends along a section of the top major surface **214** of the base portion **212** proximate the front side surface **218** of the base portion **212**. Similarly, the back guard portion **226B** also protrudes from the top major surface **214** of the base portion **212** in a direction substantially perpendicular to the base portion **212**. The back guard portion **226B** extends along a section of the top major surface **214** of the base portion **212** proximate to the back side surface **220** of the base portion **212**. Additionally, the front guard portion **226A** and the back guard portion **226B** may also extend along a section of the top major surface **214** proximate to the first end side surface **222**

and the second end side surface **224** at the first and second longitudinal ends **230**, **232** of the base portion **212**. In some embodiments, the front guard portion **226A** and the back guard portion **226B** may extend continuously along a peripheral edge **228** of the top major surface **214**. A gap may be provided between the front guard portion **226A** and the back guard portion **226B** at the first longitudinal end **230** of the base portion **212** and at the second longitudinal end **232** of the base portion **212** to provide clearance for hinge members **156** (not shown), as previously discussed with reference to FIGS. 3, 4A, and 4B.

In some embodiments, the front guard portion **226A** and the back guard portion **226B** may also be configured for attaching the protective clip **210** to a panel of a movable partition. For example, the protective clip **210** may include a feature such as a hole **244** configured to receive a fastener (e.g., a rivet, screw, or bolt) therethrough.

As shown in FIGS. 6 and 7, the protective clip **210** may also include a back portion **238**. The back portion **238** may be separately formed and attached to the protective clip **210** (e.g., attached to the back guard portion **226B**), or the back portion **238** may be integrally formed with, and comprise an integral part of, the protective clip **210**. The back portion **238** may also be configured for attachment to a sweep strip **170** (FIG. 7), as previously described in relation to the back portion **134** of the protective clip **110** shown in FIGS. 2A-2D. For example, the back portion **238** may include a channel **246** configured to receive a complementary feature **176** (e.g., a protrusion) on a sweep strip **170**.

While the invention may be susceptible to various modifications and alternative forms, specific embodiments have been shown by way of example in the drawings and have been described in detail herein. However, it should be understood that the invention is not intended to be limited to the particular forms disclosed. Rather, the invention includes all modifications, equivalents, and alternatives falling within the spirit and scope of the invention as defined by the following appended claims.

What is claimed is:

1. A method of installing at least one protective clip on a movable partition comprising:
 - attaching a protective clip to a panel of a movable partition suspended from an overhead track comprising:
 - abutting a top major surface of a base portion of the protective clip with a bottom surface of the panel;
 - covering at least a portion of a surface of the panel adjacent to the bottom surface of the panel with a section of a guard portion of the protective clip protruding from the top major surface of the base portion in a direction substantially perpendicular to the base portion and protruding along at least a portion of a front side surface of the base portion; and
 - covering a portion of another surface of the panel adjacent to the bottom surface of the panel with another section of the guard portion of the protective clip protruding from the top major surface of the base portion in a direction substantially perpendicular to the base portion and protruding along a portion of a side surface of the base portion at a longitudinal end of the base portion, a majority of the side surface of the base portion being planar and extending in a direction perpendicular to the front side surface of the base portion, wherein at least a majority of the top major surface of the base portion of the protective clip along the side surface of the base portion of the protective clip is free of the guard portion; and
 - attaching a sweep to the protective clip.

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2. The method of claim 1, wherein attaching a protective clip to a panel of a movable partition further comprises suspending the protective clip from the panel of the movable partition.

3. The method of claim 1, wherein attaching a protective clip to a panel of a movable partition further comprises attaching a plurality of protective clips to a plurality of hingedly coupled panels of the movable partition, the plurality of hingedly coupled panels defining a majority of a length of the movable partition when the movable partition is in a fully extended state.

4. The method of claim 3, wherein attaching a sweep to the protective clip comprises protective clip comprises attaching a single sweep to at least two of the protective clips of the plurality of protective clips.

5. The method of claim 3, wherein attaching a plurality of protective clips to a plurality of hingedly coupled panels comprises suspending the plurality of protective clips from the plurality of hingedly coupled panels.

6. The method of claim 1, wherein covering a portion of another surface of the panel adjacent to the bottom surface of the panel with another section of the guard portion comprises covering a portion of an exterior surface of a hinge retainer extending along at least a portion of a peripheral side edge of the panel with the another section of the guard portion of the protective clip.

7. The method of claim 6, wherein covering a portion of an exterior surface of a hinge retainer further comprises providing clearance for a hinge member disposed in the hinge retainer.

8. The method of claim 6, wherein attaching a protective clip to a panel of a movable partition further comprises covering a portion of an exterior surface of another hinge retainer extending along at least a portion of an opposing peripheral side edge of the panel with an additional section of the guard portion of the protective clip.

9. The method of claim 8, wherein covering a portion of an exterior surface of another hinge retainer further comprises providing clearance for a hinge member disposed in the another hinge retainer.

10. The method of claim 1, wherein attaching a protective clip to a panel of a movable partition further comprises coupling a back portion of the protective clip protruding from the top major surface of the base portion of the protective clip in a direction substantially perpendicular to the base portion to the panel.

11. The method of claim 10, wherein attaching a sweep to the protective clip comprises attaching the sweep to the back portion of the protective clip and extending the sweep in an outward direction substantially perpendicular to the base portion of the protective clip and substantially parallel to the back portion of the protective clip.

12. The method of claim 1, further comprising attaching a plurality of protective clips to a plurality of hingedly coupled panels of the movable partition comprising:

attaching each protective clip of a plurality of protective clips to a corresponding panel of a plurality of hingedly coupled panels of a movable partition suspended from an overhead track, the plurality of hingedly coupled panels defining a majority of a length of the movable partition when the movable partition is extended, attaching each protective clip comprising:

abutting a top major surface of a base portion of the protective clip with a bottom surface of the corresponding panel;

covering at least a portion of a surface of the corresponding panel adjacent to the bottom surface of the corre-

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sponding panel with a section of a guard portion of the protective clip protruding from the top major surface of the base portion in a direction substantially perpendicular to the base portion and protruding along at least a portion of a front side surface of the base portion; and

covering a portion of another surface of the corresponding panel adjacent to the bottom surface of the corresponding panel with another section of the guard portion of the protective clip protruding from the top major surface of the base portion in a direction substantially perpendicular to the base portion and protruding along a portion of a side surface of the base portion at a longitudinal end of the base portion.

13. The method of claim 12, further comprising attaching the sweep to each protective clip of the plurality of protective clips.

14. The method of claim 12, wherein covering a portion of another surface of the corresponding panel adjacent to the bottom surface of the corresponding panel with another section of the guard portion comprises covering a portion of an exterior surface of a hinge retainer extending along each peripheral side edge of the corresponding panel with the another section of the guard portion of the protective clip.

15. The method of claim 14, wherein covering a portion of an exterior surface of a hinge retainer extending along each peripheral side edge of the corresponding panel further comprises providing clearance for a hinge member disposed in the hinge retainer.

16. The method of claim 12, wherein attaching each protective clip of the plurality of protective clips to the corresponding panel of the plurality of hingedly coupled panels further comprises coupling a back portion of the protective clip protruding from the top major surface of the base portion of the protective clip in a direction substantially perpendicular to the base portion to the corresponding panel.

17. A method of installing at least one protective clip on a movable partition, comprising:

attaching a protective clip to a panel of a movable partition suspended from an overhead track, the protective clip comprising a feature for attaching a sweep strip, the panel having a front major surface and a lateral width across the front major surface greater than a lateral width of a hinge member hingedly coupling the panel to an adjacent panel of the movable partition, the attaching the protective clip to the panel comprising:

abutting a top major surface of a base portion of the protective clip with a bottom surface of the panel;

covering at least a portion of the front major surface of the panel adjacent to the bottom surface of the panel with a guard portion of the protective clip protruding from the top major surface of the base portion in a direction substantially perpendicular to the base portion;

positioning the protective clip to extend the guard portion around a corner of the panel defined by an intersection between the front major surface and a side surface of the panel; and

covering only a portion of the side surface of the panel with the guard portion of the protective clip extending around the corner of the panel, wherein a majority of a side surface of the base portion of the protective clip at a longitudinal end of the base portion lacks the guard portion.

18. The method of claim 17, wherein positioning the protective clip to extend the guard portion around a corner of the panel comprises positioning the protective clip to cover a

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portion of an exterior side surface of a hinge retainer extending along at least a portion of the side surface of the panel with the guard portion, the portion of the exterior side surface of the hinge retainer covered by the guard portion at least substantially perpendicular to the front major surface of the panel.

19. A method of installing at least one protective clip on a movable partition, the method comprising:

attaching a protective clip to a panel of a movable partition suspended from an overhead track, the panel having a lateral width greater than a lateral width of a corresponding hinge member attaching the panel to an adjacent panel of the movable partition, the attaching the protective clip to the panel comprising:

abutting a base portion of the protective clip with a bottom surface of the panel;

covering at least a portion of a front major surface of the panel adjacent to the bottom surface of the panel with a section of a guard portion of the protective clip protruding from the base portion in a direction sub-

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stantially perpendicular to the base portion and protruding along at least a portion of a front side surface of the base portion;

covering only a minor portion of a side surface of the panel adjacent to the bottom surface of the panel with another section of the guard portion of the protective clip wherein the another section of the guard portion extends along only a minor portion of a side surface of the base portion of the protective clip; and

positioning a back portion of the protective clip protruding from the base portion of the protective clip in a direction substantially perpendicular to the base portion at a back major surface of the panel opposite the front major surface of the panel adjacent to the bottom surface of the panel; and

attaching a sweep strip to the back portion of the protective clip and extending the sweep strip in an outward direction at least substantially perpendicular to the base portion of the protective clip and at least substantially parallel to and along the back major surface of the panel.

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